

Box 6A-8-9-51

## ChemRisk/Shonka Research Associates, Inc., Document Request Form

**(This section to be completed by subcontractor requesting document)**

Jack Buddenbaum / K-25 Site Records  
 Requestor Document Center (is requested to provide the following document)

Date of request 3/22/95 Expected receipt of document 4/7/95

Document number none Date of document 1958

Title and author (if document is unnumbered)

Folder entitled Air Pollution Survey - Stack Emission Reports

Please copy the entire folder

**(This section to be completed by Document Center)**

Date request received 3/27/95

Date submitted to ADC 3/29/95

Date submitted to HSA Coordinator —

**(This section to be completed by HSA Coordinator)**

Date submitted to CICO 3/30/95 6/12/95

Date received from CICO 4/28/95

Date submitted to ChemRisk/Shonka and DOE 6/26/95

**(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)**

Date document received \_\_\_\_\_

Signature \_\_\_\_\_

*Sanitized Version of*  
**Air Pollution Survey**      **Stack Emission**  
**Reports**

This document has been approved for release  
to the public by:

*J. Heston to W. Smith 6/21/95*  
Technical Information Officer      Date  
Oak Ridge K-25 Site      *(B)*

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

ORGDP Power Station  
AVOID VERBAL INSTRUCTIONS

Date February 7, 1958

To Dr. T. L. Ray

Subject: Air Pollution Study

The fuel usage for the dates requested for the subject plant is as

follows:

<u>Date</u>	<u>Fuel</u>	<u>Consumption</u>	<u>Sulfur (2.35%)</u>
January 24, 1958	Coal	800 tons	18.8 tons
January 24, 1958	Natural Gas	5520 Mcf	*
February 1, 1958	Coal	800 tons	18.5 tons
February 1, 1958	Natural Gas	5520 Mcf	*

\*See previous letter.

Signed *J. C. Elrod*  
J. C. Elrod  
Mechanical Operations Dept.

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

ORGDP POWER STATION  
AVOID RAL INSTRUCTIONS

Date March 25, 19 58

To Dr. T. L. Ray

3/5, 13, 21/58  
MAR 26 1958

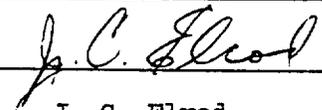
The fuel usage for the dates requested for the subject plant is as follows:

Date	Fuel	Consumption	Sulfur (2.35%)
March 5, 1958	Coal	551 tons	13.0 tons
March 5, 1958	Natural Gas	11,145 Mcf	*
March 13, 1958	Coal	395 tons	9.3
March 13, 1958	Natural Gas	12,495 Mcf	*
March 21, 1958	Coal	1,456 tons	68.4 34.2
March 21, 1958	Natural Gas	5,000 Mcf	*

\* - See letter of January 17, 1958 from Mr. J. B. Nuchols.

WCX-48 (7-50)

Signed



J. C. Elrod  
Mechanical Operations Dept.

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

AVOID ~~VAL INSTRUCTIONS~~ <sup>ORGDP POWER STATION</sup>

Date April 10, 1958

3/29; 4/6/58

To Dr. T. L. Ray

The fuel usage for the dates requested for the subject plant is as

follows:

Date	Fuel	Consumption	Sulfur (2.35%)
✓ March 29, 1958	Coal	744 tons	35.0 17.5 tons
✓ March 29, 1958	Natural Gas	21,600 Mcf	*
✓ April 6, 1958	Coal	379 tons	17.6 8.9 tons
✓ April 6, 1958	Natural Gas	32,928 Mcf	*

\* - See letter of January 17, 1958 from Mr. J. B. Nuchols.

Signed



J. C. Elrod  
Mechanical Operations Dept.

WCX-48 (7-50)  
Jmm:

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

AVOID AL INSTRUCTIONS ORGDP POWER STATION  
JUN 12 1958

ate June 10, 19 58

To Dr. T. L. Ray

The fuel usage for the dates requested for the subject plant is as

follows:

Date	Fuel	Consumption	Sulfur (2.35%)
✓ April 14, 1958	Coal	448 tons	21.0 10.5 tons
✓ April 14, 1958	Natural Gas	29,400 Mcf	*
✓ April 22, 1958	Coal	67 tons	3.2 1.6 tons
✓ April 22, 1958	Natural Gas	42,080 Mcf	*
✓ April 30, 1958	Coal	651 tons	30.1 15.2 tons
✓ April 30, 1958	Natural Gas	32,992 Mcf	*

\* See letter of January 17, 1958 from Mr. J. B. Nuchols.

Signed J. C. Elrod  
J. C. Elrod  
Mechanical Operations Dept.

WGX-48 (12-57)

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

ORGDP POWER STATION JUN 12 1958  
AVOID (AL INSTRUCTIONS

ate June 10, 19 58

To Dr. T. L. Ray

The fuel usage for the dates requested for the subject plant is as

follows:

Date	Fuel	Consumption	Sulfur (2.35%)
✓ May 8, 1958	Coal	600 tons	14.1 tons
✓ May 8, 1958	Natural Gas	39,600 Mcf	*
✓ May 16, 1958	Coal	0 tons	0.0 tons
May 16, 1958	Natural Gas	47,088 Mcf	*
✓ May 24, 1958	Coal	0 tons	0.0 tons
✓ May 24, 1958	Natural Gas	47,280 Mcf	*
June 1, 1958	Coal	0 tons	0.0 tons
June 1, 1958	Natural Gas	47,280 Mcf	*

\* See letter of January 17, 1958 from Mr. J. B. Nuchols

Signed   
J. C. Elrod  
Mechanical Operations Dept.

WOX-48 (12-57)

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

AVOID

ORGDP POWER STATION  
AL INSTRUCTIONS

JUN 30 1958

ate June 27, 1958

To Dr. T. L. Ray

The fuel usage for the dates requested for the subject plant is as

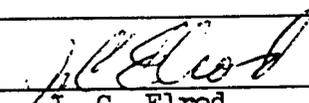
follows:

Date	Fuel	Consumption	Sulfur (2.35%)
June 9, 1958	Natural Gas	47,280 Mcf	*
June 17, 1958	Natural Gas	48,000 Mcf	*
June 25, 1958	Natural Gas	54,430	*

Note: No coal was consumed on these dates.

\* See letter of January 17, 1958 from Mr. J. B. Nuchols.

Signed

  
J. C. Elrod

Mechanical Operations Dept.

WOX-48 (12-57)

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MEMO

AVOID ORIGINAL INSTRUCTIONS

ORGDP POWER STATION

AUG 15 1958

August 13, 19 58

To Dr. T. L. Ray

The fuel usage for the dates requested for the subject plant is as follows:

Date	Fuel	Consumption	*Sulfur ( <del>100%</del> )
July 3, 1958	Natural Gas	54,663 Mcf	
July 11, 1958	" "	54,847 Mcf	
July 19, 1958	" "	55,436 Mcf	
JULY 27, 1958	" "	56,111 Mcf	
Aug. 4, 1958	" "	55,322 Mcf	
Aug. 12, 1958	" "	55,200 Mcf	

\* See letter of January 17, 1958 from Mr. J. B. Nuchols.

Signed

J. C. Elrod  
Mechanical Operations Dept.

VOX-48 (12-57)

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: February 3, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: K-33 Stack Emission Rates  
for February 1, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. February 1, 1958, to 4:00 p.m. February 2, 1958.

During the period, no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

*R. L. Newton*  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 13 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: February 10, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: K-33 Stack Emission Rates  
for February 9, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. February 9, 1958, to 4:00 p.m. February 10, 1958.

During the period, no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 21 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: February 19, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: K-33 Stack Emission Rates  
for February 17, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. February 17, 1958, to 4:00 p.m. February 18, 1958.

During the period, no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: February 27, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: K-33 Stack Emission Rates  
for February 25, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. February 25, 1958, to 4:00 p.m. February 26, 1958.

During the period, no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
\_\_\_\_\_  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

3/5/58  
MAR 21 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: March 11, 1958  
Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File  
Subject: K-33 Stack Emission Rates  
For March 5, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. March 5, 1958, to 4:00 p.m. March 6, 1958.

During the period, no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 19 1958

3/13/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: March 18, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: K-33 Stack Emission Rates  
for March 13, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. March 13, 1958, to 4:00 p.m. March 14, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

3/29/58  
MAR 31 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: March 31, 1958  
Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File  
Subject: K-33 Stack Emission Rates  
for March 29, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. March 29, 1958, to 4:00 p.m. March 30, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere

R. L. Newton  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



4/6/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

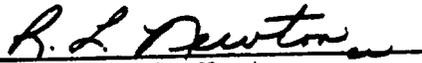
Date: April 8, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for April 6, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. April 6, 1958, to 4:00 pm. April 7, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/14/58

APR 18 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: April 17, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for April 14, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. April 14, 1958, to 4:00 p.m. April 15, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/22/58  
APR 28 1958

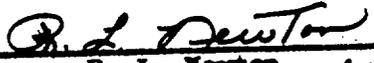
INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: April 24, 1958  
Subject: Stack Emission Rates  
for April 22, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry ✓  
File

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. April 22, 1958, to 4:00 p.m. April 23, 1958.

During the period no  $UF_6$ ,  $HF$ , or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/30/58

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

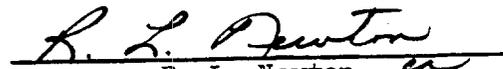
Date: May 2, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for April 30, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. April 30, 1958 to 4:00 p.m. May 1, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 13 1958

5/13/58

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray Plant: Oak Ridge Gaseous Diffusion  
Date: May 13, 1958  
Subject: Stack Emission Rates for May 8, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry ✓  
File

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. May 8, 1958 to 4:00 p.m. May 9, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

5/19/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Mr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: May 19, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for May 16, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. May 16, 1958 to 4:00 p.m. May 17, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton  
R.L. Newton *w*

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

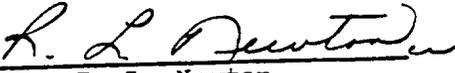
*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: May 27, 1958  
Subject: Stack Emission Rates  
for May 24, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. May 24, 1958 to 4:00 p.m. May 25, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
\_\_\_\_\_  
R. L. Newton

/cr

INTER-COMPANY CORRESPONDENCE    JUN 4 1958

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

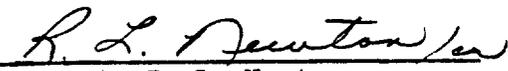
Date: June 3, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for June 1, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. June 1, 1958 to 4:00 p.m. June 2, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 11 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: June 11, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for June 9, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. June 9, 1958 to 4:00 p.m. June 10, 1958.

During the period no  $UF_6$ ,  $HF$ , or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.



R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUN 30 1958

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: June 27, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for June 25, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. June 25, 1958 to 4:00 p.m. June 26, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 19 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: June 19, 1958  
Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File  
Subject: Stack Emission Rates  
for June 17, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. June 17, 1958 to 4:00 p.m. June 18, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 15 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: July 14, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for July 11, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. July 11, 1958, to 4:00 p.m. July 12, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
\_\_\_\_\_  
R. L. Newton *er*

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 9 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

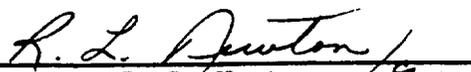
Date: July 8, 1958

Copies To: Mr. K. M. Jones  
Mr. J. P. Terry  
File

Subject: Stack Emission Rates  
for July 3, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. July 3, 1958 to 4:00 p.m. July 4, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 4 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Mr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

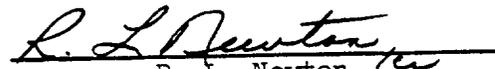
Date: July 29, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for July 27, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. July 27, 1958, to 4:00 p.m. July 28, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 21 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: July 21, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for July 19, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. July 19, 1958, to 4:00 p.m. July 20, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 14 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

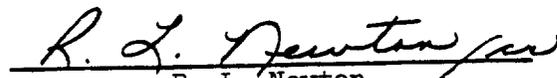
Date: August 14, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for August 12, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. August 12, 1958 to 4:00 p.m. August 13, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 7 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

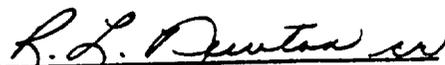
Date: August 6, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for August 4, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. August 4, 1958, to 4:00 p.m. August 5, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

SEP 3 1958

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

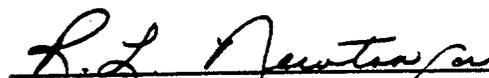
Date: September 2, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for August 28, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. August 28, 1958 to 4:00 p.m. August 29, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 27 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 26, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates  
for August 20, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. August 20, 1958 to 4:00 p.m. August 21, 1958.

During the period no  $UF_6$ ,  $HF$ , or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

SEP 19 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

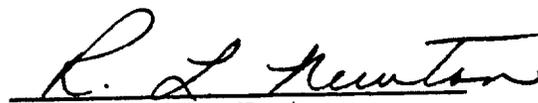
Date: September 18, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
September 13, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. September 13, 1958, to 4:00 p.m. September 14, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

SEP 10 1958

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 10, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
September 5, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. September 5, 1958, to 4:00 p.m. September 6, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton /cr  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 2 1958

OCT 2 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

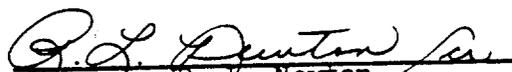
Date: October 1, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
September 29, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. September 29, 1958 to 4:00 p.m. September 30, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: September 22, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
September 20, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. September 20, 1958, to 4:00 p.m. September 21, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

OCT 20 1958

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

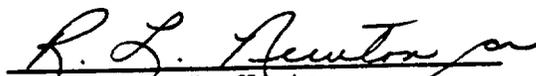
Date: October 20, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
October 15, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. October 15, 1958 to 4:00 p.m. October 16, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 20 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

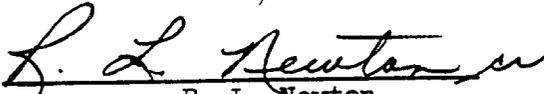
Date: October 20, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
October 7, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. October 7, 1958 to 4:00 p.m. October 8, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

1958

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: November 3, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
November 1, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. October 31, 1958 to November 1, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 30 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: October 29, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
October 23, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. October 23, 1958 to 4:00 p.m. October 24, 1958.

During the period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 18 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: November 18, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
November 16, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. November 16, 1958 to 4:00 p.m. November 17, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 10 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Mr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: November 10, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
November 8, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. November 8, 1958 to November 9, 1958.

During the period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

*R. L. Newton*  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

DEC 1 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: December 4, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
December 2, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. December 2, 1958 to 4:00 p.m. December 3, 1958.

During this period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

R. L. Newton  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

Date: November 28, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
November 24, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. November 24, 1958 to 4:00 p.m. November 25, 1958.

During this period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1005

Plant: Oak Ridge Gaseous Diffusion

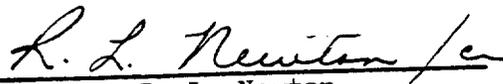
Date: December 29, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
December 18, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. December 18, 1958 to 4:00 p.m. December 19, 1958.

During this period no  $UF_6$ , HF, or  $F_2$  contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

DEC 15 1958

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: December 12, 1958

Copies To: Mr. K. M. Jones  
File

Subject: Stack Emission Rates for  
December 10, 1958

At your request, the following information is supplied regarding stack emission rates for the period 4:00 p.m. December 10, 1958 to 4:00 p.m. December 11, 1958.

During this period no UF<sub>6</sub>, HF, or F<sub>2</sub> contaminants of K-33 origin were vented to the atmosphere.

  
R. L. Newton

/cr

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	2-9-58	1600	4-10-58	1600	7193	-	9.95	-	-	-	35	2200
312-3	2-9-58	1600	4-10-58	1600	2527	0.13	4.00	0.03	0.45	0.18	"	"

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub> -	25.21	3.56
Cl <sub>2</sub>	-	0.22
ClO <sub>3</sub> F	-	0.07
ClO <sub>2</sub> F	-	0.52
ClF <sub>3</sub>	-	0.23

J. C. Johnson 305-8

JAN 31 1958

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet CFM	Blower CFM
312-1	1-24-58	1600	1-25-58	1600	7308	—	6.28	—	—	—	35	2200
312-3	1-24-58	1600	1-25-58	1600	2320	0.06	2.54	0.01	0.01	—	"	"

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	48.26	6.23
Cl <sub>2</sub>	—	0.27
ClO <sub>2</sub> F	—	0.06
ClO <sub>2</sub> F	—	0.05
ClF <sub>2</sub>	—	—

J. C. Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 17 1958  
 MAR 17 1958  
 3/5/58

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet CFM	Blower CFM
312-1	3-5-58	1600	3-6-58	1600	6975	-	7.34	-	-	-	35	2200
312-3	3-5-58	1600	3-6-58	1600	4430	0.26	8.21	0.02	0.13	-	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	17.96	38.4
Cl <sub>2</sub>	-	2.27
ClO <sub>2</sub> F	-	1.246
ClO <sub>2</sub> F	-	1.38
ClF <sub>2</sub>	-	-

DC Johnson Chem V

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet	Blower
											CFM	CFM
312-1	2-25-58	1600	2-26-58	1600	6158	-	7.74	-	-	-	35	2200
312-3	2-25-58	1600	2-26-58	1600	3493	.02	9.75	.01	1.08	-	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	16.8 LBS	12.0
Cl <sub>2</sub>	-	1.04
ClO <sub>2</sub> F	-	1.03
ClO <sub>2</sub> F	-	1.22
ClF <sub>3</sub>	-	-

DC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 8 1958  
3/22/58

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	3-22-58	1600	3-23-58	1600	7642	-	1.75	-	-	-	35	2200
312-3	3-22-58	1600	3-23-58	1600	2948	1.04	2.15	.04	1.02	.21	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	24.2	2.23
Cl <sub>2</sub>	-	2.02
ClO <sub>2</sub> F	-	0.11
ClO <sub>2</sub> F	-	0.05
ClF <sub>3</sub>	-	0.31

D. C. Johnson K305

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 8 1958

3/13/58

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet CFM	Blower CFM
312-1	3-13-58	1600	3-14-58	1600	7740	-	10.75	-	-	-	35	2200
312-3	3-13-58	1600	3-14-58	1600	3008						35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	29.4	2.30
Cl <sub>2</sub>	-	0.43
ClO <sub>3</sub> F	-	0.05
ClO <sub>2</sub> F	-	-
ClF <sub>2</sub>	-	0.44

DC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	Cl <sub>2</sub>	F <sub>2</sub>	MOL. %			Dilution	
	Date	Time	Date	Time				ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	4-14-58	1600	4-15-58	1600	7601	-	8.82	-	-	-	35	2200
312-3	4-14-58	1600	4-15-58	1600	2752	103	1.97	0.01	1.02	-	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	23.56	1.91
Cl <sub>2</sub>	-	0.05
ClO <sub>3</sub> F	-	0.027
ClO <sub>2</sub> F	-	0.04
ClF <sub>3</sub>	-	-

JC Johnson K305-8

APR 8 1958  
3/29/58

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet CFM	Blower CFM
312-1	3-29-58	1600	3-30-58	1600	7078	.08	8.53	-	-	-	35	2200
312-3	3-29-58	1600	3-30-58	1600	2743	.24	1.42	.03	.39	.03	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	21.3	1.37
Cl <sub>2</sub>	0.37	0.43
ClO <sub>3</sub> F	-	0.08
ClO <sub>2</sub> F	-	0.84
ClF <sub>2</sub>	-	0.42

JC Johnson X305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	Cl <sub>2</sub>	F <sub>2</sub>	MOL. %			Dilution	
	Date	Time	Date	Time				ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	5-8-58	1600	5-9-58	1600	5896	0.09	3.84	0.04	1.03	-	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	7.94	-
Cl <sub>2</sub>	0.34	-
ClO <sub>2</sub> F	0.22	-
ClO <sub>2</sub> F	0.14	-
ClF <sub>3</sub>	-	-

J. C. Johnson K305

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
	312-1	4-22-58	1600	4-23-58	1600	7222	-	8.68	-	-	-	35
312-3	4-22-58	1600	4-23-58	1600	2747	.53	1.83	1.04	1.66	1.64	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	22.04	1.77
Cl <sub>2</sub>	-	0.96
ClO <sub>2</sub> F	-	0.10
ClO <sub>2</sub> F	-	1.46
ClF <sub>3</sub>	-	0.89

JC Johnson K305

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	5-24-58	1600	5-25-58	1600	5044	1.01	5.55	1.01			35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub> =	9.90	
Cl <sub>2</sub>	0.03	
ClO <sub>3</sub> F	0.05	
ClO <sub>2</sub> F	-	
ClF <sub>3</sub>	-	

DC Johnson

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	Cl <sub>2</sub>	F <sub>2</sub>	MOL. %			Dilution	
	Date	Time	Date	Time				ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet CFM	Blower CFM
312-1	5-17-58	1600	5-18-58	1600	5544	-	4.09	-	-	-	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	7.99	
Cl <sub>2</sub>	-	
ClO <sub>3</sub> F	-	
ClO <sub>2</sub> F	-	
ClF <sub>2</sub>	-	

DC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>3</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet	Blower
												CFM
312-1	8/4/58	1600	8/5/58	1600	5694	0.43	5.86	0.04	0.11	0.05	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	11.77	
Cl <sub>2</sub>	1.61	
ClO <sub>3</sub> F	0.22	
ClO <sub>2</sub> F	0.46	
ClF <sub>2</sub>	0.13	

DC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

MOL. %

Unit	Start		End		Purge Rate SCFD	Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Dilution	
	Date	Time	Date	Time							Jet CFM	Blower CFM
312-1	7/27/58	1600	7/28/58	1600	6189	0.24	5.31	0.02	0.11	0.01	35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	11.59	
Cl <sub>2</sub>	0.97	
ClO <sub>2</sub> F	0.11	
ClO <sub>2</sub> F	0.52	
ClF <sub>3</sub>	0.03	

JC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 12 1953

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>2</sub>	Jet	Blower
312-1	10/15/58	1600	10/16/58	1600	6693	.12	3.26	102	.03		CFM 35	CFM 2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	2.90	
Cl <sub>2</sub>	0.53	
ClO <sub>2</sub> F	0.13	
ClO <sub>2</sub> F	0.16	
ClF <sub>2</sub>		

D. Johnson K305-0

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 12 1958

AIR POLLUTION STUDY DATA for INDUSTRIAL HYGIENE DEPT.

Unit	Start		End		Purge Rate SCFD	MOL. %					Dilution	
	Date	Time	Date	Time		Cl <sub>2</sub>	F <sub>2</sub>	ClO <sub>2</sub> F	ClO <sub>2</sub> F	ClF <sub>3</sub>	Jet CFM	Blower CFM
312-1	9/21/58	1600	9/22/58	1600	5851	0.34	3.86	1.06	1.04		35	2200

Pounds of Contaminants per 8 hours from stacks

	K 312-1	K 312-3
F <sub>2</sub>	2.99	
Cl <sub>2</sub>	1.31	
ClO <sub>2</sub> F	.34	
ClO <sub>2</sub> F	.19	
ClF <sub>3</sub>		

DC Johnson K305-8

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 30 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY.  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 27, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, K-1401, and K-1413 on January 24, 1958.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.3	0	0
	8-4	0	0	2.2	0
K-1401	4-12	0.1	1.6	0	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during the period from 4:00 p.m., January 24 to 4:00 p.m., January 25 from K-1413.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 21 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 20, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, K-1401, and K-1413 on January 16, 1958.

<u>Location</u>	<u>Estimated Effluent to Atmosphere, lbs.</u>			
	<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L 4-12	0	0	2.2	0
Pilot Plant 12-8	0	0	0	0
8-4	0	0	0	0

None of the above gases were vented to the atmosphere during the period from 4:00 p.m., January 16 to 4:00 p.m., January 17 from K-1401 and K-1413.

  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 13 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 11, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00 p.m. Sunday, February 9, to 4:00 p.m. Monday, February 10.



---

D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 1958

Feb. 13, 1958

To: Industrial Hygiene Dept.

Subject: Air Contaminants from K-1413 (Dept. 1340 - Eng. Co.)

Reference: Letter T. L. Ray to E. C. Ballinger - 12-30-57

Date: Jan 24, 1958

No contaminants discharged

Date: Feb. 1, 1958

No contaminants discharged

Date: Feb 9, 1958

Discharged 4 lbs  $F_2$  on 8-4 shift

2-10-58

H. J. Kaufman

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 21 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 19, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

The only discharge of toxic gas to the atmosphere during the period from 4:00 p.m. February 17, to 4:00 p.m. February 18 occurred at K-1401 when 0.1 lb. of  $F_2$  was vented to the atmosphere during the 8-4 shift. No venting occurred during this period from K-1413 or K-1004-L.



---

D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 20 1958

Feb 19, 1958

To: Industrial Hygiene Dept.

Subject: Air Pollution - K-1413

Date: Feb 17, 1958

No Contaminants were discharged from K-14

H. Kaufman

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 27, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Tuesday, February 25 to 4:00 p.m. Wednesday, February 26, 1958.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	1.5	0	0.1
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1004-L Pilot Plant or K-1413.

  
\_\_\_\_\_  
D. M. Leung

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 28 1958

To: Industrial Hygiene Dept.  
Subject: Air Pollution. K-1413

Date: Feb 25, 1958

Discharged 8 lbs  $F_2$  on 12-8 shift, and  
1 lb. on 8-4 shift.

H. L. Kaufman

3/5/58

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 10, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 and K-1004-L from 4:00 p.m. Wednesday, March 5 to 4:00 p.m. Thursday, March 6, 1958.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0.5	0	0.05
K-1004-L Pilot Plant	4-12	0	0	0.75	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 14 1958

3/5/58

To: Industrial Hygiene Dept.

Subject: Air Pollution - K-1413

On 3-5-58, 4-12 shift, approximately one pound of fluorine was discharged to the atmosphere.

H. Kaufman

MAR 20 1958

3/13/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 19, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 and K-1004-L from 4:00 p.m. Thursday, March 13 to 4:00 p.m. Friday, March 14, 1958.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0.5	0	0.05
	12-8	0	0	0	0
	8-4	0	0.5	0	0.05
K-1004-L Pilot Plant	4-12	0	0.3	0	0
	12-8	0	0.3	1.5	0
	8-4	0	0	2.2	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

3/13, 21/58

MAR 26 1958

3-24-58

To: Industrial Hygiene Dept.

Subject: Air Pollution -K-1413

On 3-13-58, 4-12 shift, approximately  
4 pounds of fluorine was discharged to the  
atmosphere.

On 3-21-58 no contaminants were discharged to  
the atmosphere.

H. Kaufman

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

3/21/58  
MAR 27 1958

To: Dr. T. L. Ray  
K-1003

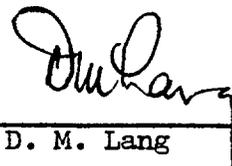
Plant: Oak Ridge Gaseous Diffusion

Date: March 26, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

The only discharge to the atmosphere of toxic gas during the period 4:00 p.m., March 21 to 4:00 p.m., March 22 occurred at K-1401 during the 4-12 shift when 0.02 lbs. of  $UF_6$  was vented. No  $HF$ ,  $F_2$ ,  $ClF_3$ , or  $UF_6$  was discharged from K-1004-L or K-1413 during this 24-hour period.

  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 3 1958

3/29/58

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 2, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, March 29 to 4:00 p.m. Sunday, March 30, 1958.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0.3	2.2	0
Pilot Plant	12-8	0	0	0.75	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1401 or K-1413.

D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/8/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 8, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00 p.m. Sunday, April 6 to 4:00 p.m. Monday, April 7.



---

D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 8 1958

~~3/27/58~~; 4/6/58

4-7-58

To: Industrial Hygiene Dept.  
Subject: Air Pollution - 1413

No contaminants were discharged to the atmosphere on either 3-29-58 or 4-6-58

N. J. Kaufman

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 28 1958  
4/12/58

## INTER-COMPANY CORRESPONDENCE

## UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 17, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Monday, April 14 to 4:00 p.m. Tuesday, April 15, 1958.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	1.47	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0
K-1401	4-12	0	0	0.1	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/14/58  
4-17-58

To: Industrial Hygiene Dept.  
Subject: Air Pollution - K-1413

No contaminants were discharged to the  
atmosphere on 4-14-58

H. J. Kaufman

4/22/58

33

4-29-58

To: Industrial Hygiene Dept.

Subject: Air Pollution - K-1413

No contaminants were discharged to the  
atmosphere on 4-22-58

M. Kaufman

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/22/58  
APR 28 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 25, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Tuesday, April 22 to 4:00 p.m. Wednesday, April 23, 1958.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L Pilot Plant	4-12	0	0	1.47	0
	12-8	0	0	0	0
	8-4	0	0	0	0
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	3	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 13 1958

4/30/58 + 5/8/58

May 9, 1958

To: Industrial Hygiene Dept.

Subject: Air Pollution - K-1413

No contaminants were discharged to the atmosphere on 4-30-58.

On May 8 trace amounts of fluorine were discharged intermittently for 24 hours.

N. L. Kaufman

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 7 1958

4/30/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: May 6, 1958

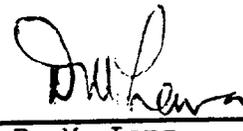
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Wednesday, April 30 to 4:00 p.m. Thursday, May 1, 1958.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.3	0.75	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1401 or K-1413.

  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 14 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: May 13, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 Furnace Area from 4:00 p.m. Thursday, May 8 to 4:00 p.m. Friday, May 9.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	2	4	0.2

None of the above gases were vented to the atmosphere during this period from K-1004-L Pilot Plant or K-1413.



D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 26 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion  
Date: May 23, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

The only discharge of toxic gas to the atmosphere during the period from 4:00 p.m., May 16 to 4:00 p.m., May 17 occurred at K-1401 when one pound of  $F_2$  was vented to the atmosphere during the 12-8 shift. No venting was done during this period from K-1413 or K-1004-L.

  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 24 1958

June 23, 1958

To: Industrial Hygiene Dept.

Subject: Air Pollution - K-1413

No contaminants were discharged  
to the atmosphere on June 1, 9 and  
17.

A. I. Kaufman

MAY 26 1958

5-25-58

To: Industrial Hygiene Dept.  
Subject Air Pollution - K-1413.

No contaminants were discharged to the  
atmosphere on either May 16 or May 24, 1958.

N. S. Kaufman

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 2, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Saturday, May 24 to 4:00 p.m. Sunday, May 25.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	1.5	0
Pilot Plant	12-8	0	0	1.5	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 10 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

*ER*

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 5, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Sunday, June 1 to 4:00 p.m. Monday, June 2.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.3	0	0
	8-4	0	0	0.75	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

*D. M. Lang*  
\_\_\_\_\_  
D. M. Lang

DML:JAM:jv

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 13 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 12, 1958

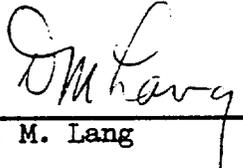
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 Furnace Area from 4:00 p.m. Monday, June 9 to 4:00 p.m. Tuesday, June 10.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	3	0
Furnace Area	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1004-L Pilot Plant or K-1413.



---

D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE JUN 20 1958  
 UNION CARBIDE NUCLEAR COMPANY  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 19, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Tuesday, June 17 to 4:00 p.m. Wednesday, June 18.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	2.2	0
	12-8	0	0	0	0
	8-4	0	0	0	0
K-1401	4-12	0	0	0	0
	12-8	0	3	0	0
	8-4	0	1	3	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
 \_\_\_\_\_  
 D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

JUL 9 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 7, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W.J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Thursday, July 3 to 4:00 p.m. Friday, July 4.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.5	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUL 1 1958

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 27, 1958

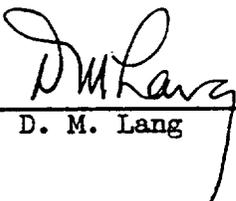
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Wednesday, June 25 to 4:00 p.m. Thursday, June 26.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	Pilot Plant 12-8	0	0.3	0	0
	8-4	0	0	0.73	0
K-1401	4-12	0	4.0	0	0
	12-8	0	0	0	0
	8-4	0	0.25	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUL 22 1958

UNION CARBIDE NUCLEAR COMPANY  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 21, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Saturday, July 19 to 4:00 p.m. Sunday, July 20.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	1.46	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUL 16 1958

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 14, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Studies

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00 p.m. Friday, July 11 to 4:00 p.m. Saturday, July 12.



D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 1 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 30, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Sunday, July 27 to 4:00 p.m. Monday, July 28.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	1.46	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 7 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 6, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 Furnace Area from 4:00 p.m. Monday, August 4 to 4:00 p.m. Tuesday, August 5.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	2	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

AUG 15 1958

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 14, 1958

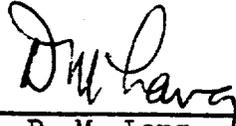
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub> and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Tuesday, August 12 to 4:00 Wednesday, August 13.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L Pilot Plant	4-12	0	0	0	0
	12-8	0	0	0.73	0
	8-4	0	0	0.73	0
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	4.0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
D. M. Lang

DML:JAM:jeb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

AUG 25 1958

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 22, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Wednesday, August 20 to 4:00 p.m. Thursday, August 21.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	2.92	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

SEP 11 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: September 8, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W.J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Friday, September 5 to 4:00 p.m. Saturday, September 6.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0	0.73	0
	8-4	0	0	0	0
K-1401	4-12	0	0.5	2.50	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
for D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

8961 3 JES

INTER-COMPANY CORRESPONDENCE  
 UNION CARBIDE NUCLEAR COMPANY  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 2, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Thursday, August 28 to 4:00 p.m. Friday, August 29.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.46	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

*D. M. Lang*  
 \_\_\_\_\_  
 D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

SEP 17 1958  
8964 21 135

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 16, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Saturday, September 13 to 4:00 p.m. Sunday, September 14.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0.73	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 23, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Sunday, September 21 to 4:00 p.m. Monday, September 22.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L Pilot Plant	4-12	0	0	0.73	0
	12-8	0	0	0	0
	8-4	0	0	1.46	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	1	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

*P. R. Vanstrum*  
 for D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

OCT 10 1958

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 9, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Tuesday, October 7 to 4:00 p.m. Wednesday, October 8.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L Pilot Plant	4-12	0	0.3	0	0
	12-8	0	0	0.73	0
	8-4	0	0	0	0
K-1401 Furnace Area	4-12	0	0	1.	0
	12-8	0	0	0	0
	8-4	0	0	0.5	0

None of the above gases were vented to the atmosphere during this period from K-1413.

*D. M. Lang*  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*

**UNION CARBIDE NUCLEAR COMPANY** OCT 3 1958

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 1, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Monday, September 29 to 4:00 p.m. Tuesday, September 30.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L Pilot Plant	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0.3	0	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	2.5	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.

*D. M. Lang*  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 27, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Thursday, October 23 to 4:00 p.m. Friday, October 24.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L Pilot Plant	4-12	0	0	1.46	0
	12-8	0	0	0	0
	8-4	0	0	0	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	4.	0.1	0

None of the above gases were vented to the atmosphere during this period from K-1413.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

OCT 20 1958

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 17, 1958

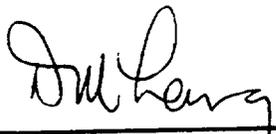
Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Wednesday, October 15 to 4:00 p.m. Thursday, October 16.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0.3	0	0
K-1401	4-12	0	0	0.25	0.5
	12-8	0	0	0	0.5
	8-4	0	8.	0.25	0.

None of the above gases were vented to the atmosphere during this period from K-1413.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
 Division of Union Carbide Corporation

NOV 8 1958

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 4, 1958

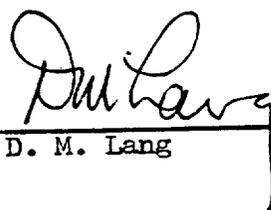
Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Friday, October 31 to 4:00 p.m. Saturday, November 1.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0.3	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 10, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Saturday, November 8 to 4:00 p.m. Sunday, November 9.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	0.73	0
	8-4	0	0.3	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.



\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 19 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 18, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub>, discharged to the atmosphere from K-1401 Furnace Area from 4:00 P.M. Sunday, November 16 to 4:00 p.m. Monday, November 17.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	3.	0.25	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*

**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 26, 1958

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Monday, November 24 to 4:00 p.m. Tuesday, November 25.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0.3	0	0
K-1401	4-12	0	6.	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere during this period from K-1413.



\_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: December 5, 1958

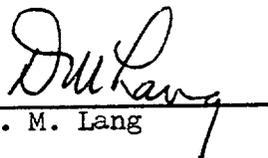
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Tuesday, December 2 to 4:00 p.m. December 3.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0.3	0.74	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion  
Date: December 12, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00<sup>6</sup> p.m. Wednesday, December 10 to 4:00 p.m. December 11.

Location		Estimated Effluent to Atmosphere, lbs.			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.46	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

Rec-11

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: December 22, 1958

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Thursday, December 18 to 4:00 p.m. December 19.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0.73	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 2 1959

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

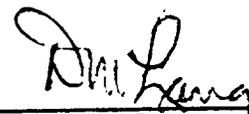
To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion  
Date: December 29, 1958  
Subject: Air Pollution Study

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub>, to the atmosphere from K-1004-L, K-1401, or K-1413 from 4.00 p.m. Friday, December 26 to 4.00 p.m. Saturday, December 27.

This is the last report called for by the schedule of January 3, 1958 prepared by Mr. T. Kwasnoski of the Special Analytical Services Department of this Division, however, we will continue to submit these reports since it is our understanding that the program will be continued in 1959. Mr. Kwasnoski will prepare a new sampling schedule which will also be used for reporting the toxic gases vented to the atmosphere.

  
D. M. Lang

DML:JAM:jeb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAM 2 1959

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 8, 1959

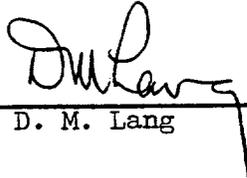
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L Pilot Plant from 4:00 p.m. Saturday, January 3 to 4:00 p.m. Sunday, January 4.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0.30	0.74	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

JAN 13 1959

To: ✓ Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 13, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00<sup>3</sup> p.m. Sunday, January 11 to 4:00 p.m. Monday, January 12.

  
\_\_\_\_\_  
D. M. Lang

DML: JAM: rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 21 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 21, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, K-1401, and K-1413 from 4:00 p.m. Monday, January 19 to 4:00 p.m. Tuesday, January 20.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L Pilot Plant	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0	1.46	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0	3.	0
K-1413 Dev. Lab.	4-12	0	0	0	0
	12-8	2.5	55.	0	1.5
	8-4	0	0	0	0

*D. M. Lang*  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 29 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: January 29, 1959

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1413 from 4:00 p.m. Tuesday, January 27 to 4:00 p.m. Wednesday, January 28.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	1.46	0
	12-8	0	0	0	0
	8-4	0	0	0	0
K-1413	4-12	0	0	0	0
	12-8	0	5.	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

FEB 9 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 6, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution Study

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Wednesday, February 4 to 4:00 p.m. Thursday, February 5.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	3.	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.



D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 17 1959

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 16, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Thursday, February 12 to 4:00 p.m. Friday, February 13.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.46	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 24 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: February 24, 1959

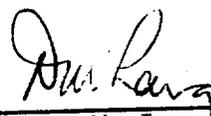
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Friday, February 20 to 4:00 p.m. Saturday, February 21.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	2.92	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 2 1959

6281

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 2, 1959.

Copies To: Mr. J. C. Barton  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, February 28 to 4:00 p.m. Sunday, March 1.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0.3	0.73	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

MAR 11 1959

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 10, 1959

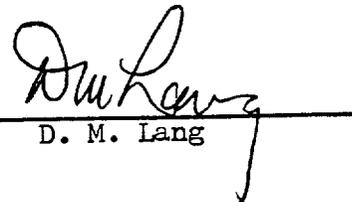
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401, and K-1413 from 4:00 p.m. Sunday, March 8 to 4:00 p.m. Monday, March 9.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	3.	0	0
K-1413	4-12	0	0	0	0
Dev. Lab.	12-8	0	4.	0	1.
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L during this period.

  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 17, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Monday, March 16 to 4:00 p.m. Tuesday, March 17.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.2	0.74	0
	8-4	0	0	0	0
K-1401	4-12	0	1.	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	6.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 31 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: March 26, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m.<sup>3</sup> Tuesday, March 24 to 4:00 p.m. Wednesday, March 25.

Location	Estimated Effluent to Atmosphere, lbs.			
	HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401 4-12	0	5.	0	0
Furnace Area 12-8	0	0	0	0
8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L and K-1413 during this period.

  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 1959

INTER-COMPANY CORRESPONDENCE  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 3, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Wednesday, April 1 to 4:00 p.m. Thursday, April 2.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	5.	0	0

None of the above gases were vented to the atmosphere from K-1004-L and K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 23 1959

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 13, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W.J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Thursday, April 9 to 4:00 p.m. Friday, April 10.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L Pilot Plant	4-12	0	0	1.46	0
	12-8	0	0	0	0
	8-4	0	0	1.46	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	7.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 22 1959

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 21, 1959

Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Friday, April 17 to 4:00 p.m. Saturday, April 18.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	1.46	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant. Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: May 5, 1959

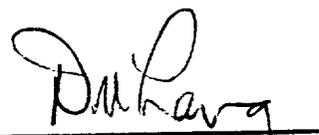
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Sunday, May 3 to 4:00 p.m. Monday, May 4.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	1.	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AS 1000

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: April 27, 1959

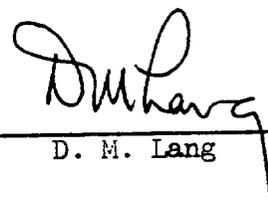
Copies To: Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject: Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, April 25 to 4:00 p.m. Sunday, April 26.

<u>Location</u>		<u>Estimated Effluent to Atmosphere, lbs.</u>			
		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.46	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 13 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date May 13, 1959  
 Company  
 Location K-1003 Originating Dept.  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Monday, May 11 to 4:00 p.m. Tuesday, May 14.

		<u>Estimated Effluent to Atmosphere, lbs.</u>			
<u>Location</u>		<u>HF</u>	<u>F<sub>2</sub></u>	<u>ClF<sub>3</sub></u>	<u>UF<sub>6</sub></u>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	3.	0.5	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

MAY 20 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date May 21, 1959  
 Company Location K-1003 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Tuesday, May 19 to 4:00 p.m. Wednesday, May 20.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0	1.46	0
K-1401	4-12	0	1.	0	0
	12-8	0	0	0	0
	8-4	0	3.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

\_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: December 4, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 8 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift December 3, 1958.

T. P. Fleming  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: December 12, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 10 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift December 11, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

DEC 23 1958

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: December 22, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 8 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift December 19, 1958.

*T. P. Fleming*

T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

DEC 29 1958

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: December 29, 1958

Copies To: File - NoRC

Subject: Air Pollution Study -  
K-1420 Large Equipment  
Decontamination Area

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. December 26 to 4:00 P.M. December 27, 1958.

*T. P. Fleming*  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 29 1958  
4/22/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: April 28, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. April 22, are tabulated in pounds of contaminent per shift.

	<u>F<sub>2</sub></u>	<u>U</u>
4-12 Shift	6.4	0.08
12-8 Shift	1.8	0.08
8-4 Shift	<u>8.5</u>	<u>0.11</u>
Total	<u>16.7</u>	<u>0.27</u>

*A. Varlan*  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 28 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

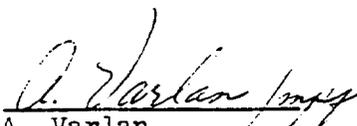
Date: April 18, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m., April 14, are tabulated in pounds of contaminant per shift.

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	7.9	0.18
12-8 Shift	6.8	0.20
8-4 Shift	<u>0.5</u>	<u>0.34</u>
Total	15.2	0.72

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

MAY 14 1958

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

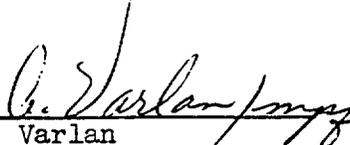
Date: May 13, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. May 8, are tabulated in pounds of contaminant per shift.

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	2.4	0.35
12-8 Shift	4.1	0.29
8-4 Shift	<u>4.7</u>	<u>0.14</u>
Total	<u>11.2</u>	<u>0.78</u>

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 6 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: June 5, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. June 1 are tabulated in pounds of contaminant per shift.

	<u>F<sub>2</sub></u>	<u>U</u>
4-12 Shift	15	0.57
12-8 Shift	18	0.40
8-4 Shift	<u>18</u>	<u>0.34</u>
Total	51	1.31

*A. Varlan*  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/12 - 518

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: June 23, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 Stack emissions for the following 24-hour periods are tabulated in pounds of contaminant per shift.

Beginning at 4:00 p.m., June 9

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	7.0	0.16
12-8 Shift	1.0	0.08
8-4 Shift	<u>30 (est.)</u>	<u>0</u>
Total*	<u>38.0</u>	<u>0.24</u>

Beginning at 4:00 p.m. June 17

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	0.2	0.13
12-8 Shift	48.4	0.21
8-4 Shift	<u>1.8</u>	<u>0.18</u>
Total	<u>50.4</u>	<u>0.52</u>

\*The fluorine plant was shut down at 4:00 a.m. on June 10 and was down for the remainder of the report period. The cleanup reactor was shut down at 7:00 a.m. on June 10 and was down for the remainder of the report period.

*E. L. Halstead*  
For A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 1 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

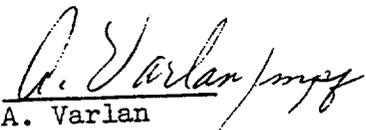
Date: July 1, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. June 25 are tabulated in pounds of contaminant per shift.

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	0.6	0.12
12-8 Shift	3.2	0.37
8-4 Shift	<u>3.8</u>	<u>1.27</u>
	7.6	1.76

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 17 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: CRGDP

Date: July 16, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. July 11 are tabulated in pounds of contaminant per shift.

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12 Shift	0.2	0.07
12-8 Shift	6.7	0.43
8-4 Shift	<u>7.1</u>	<u>1.17</u>
Total	14.0	1.67

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 7 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

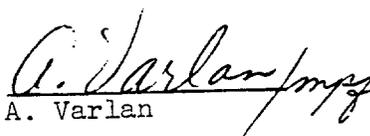
Date: August 6, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. August 4 are tabulated in pounds of contaminant per shift.

<u>Shift</u>	<u>F<sub>2</sub>*</u>	<u>UF<sub>6</sub></u>
4-12	120	0.67
12-8	70	0.59
8-4	<u>57</u>	<u>0.73</u>
Total	247	1.99

  
A. Varlan

EG:mpf

\*The cleanup reactor was out of service during this period.

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

SEP 29 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: September 26, 1958

Copies To: File (NoRC)

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. September 21 are tabulated in pounds of contaminant per shift.

<u>Shift</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12	8.0	0.53
12-8	79	0.26
8-4	77	1.06

*A. Varlan / mpf*  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 2 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: October 1, 1958

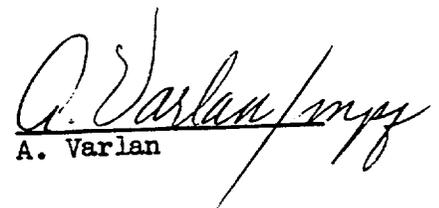
Copies To: File - NORC

Subject: Air Pollution Study

K-1131 stack emission for the 24-hour period beginning at 4:00 p.m. September 29 is tabulated in pounds of contaminant per shift:

<u>Shift</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12	15	0.53
12-8	175	0.12
8-4	149	0.51

Poor quality feed material and cleanup reactor off-stream time during this period accounted for higher than normal fluorine loss.

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

OCT 20 1958

To: Dr. T. L. Ray

Plant: ORGDP

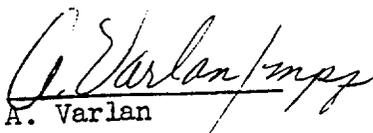
Date: October 22, 1958

Copies To: File - NoRC

Subject: Air Pollution Study

K-1131 stack emission for the 24-hour period beginning at 4:00 p.m. October 15 is tabulated in pounds of contaminant per shift:

<u>Shift</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12	125	0.33
12-8	42	0.33
8-4	0.4	0.15

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 10 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: October 9, 1958

Copies To: File - NoRC

Subject: Air Pollution Study

K-1131 stack emission for the 24-hour period beginning at 4:00 p.m. October 7 is tabulated in pounds of contaminant per shift:

<u>Shift</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
4-12	15	0.22
12-8	2.5	1.25
8-4	0.3	0.41

  
A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JAN 9 1959

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
 A Division of Union Carbide and Carbon Corporation

JAN 13 1959

To: Dr. T. L. Ray

Plant: ORGDP

Date: January 9, 1959

Copies To: File - NoRC

Subject: Air Pollution Study

K-1131 stack emission for the 24-hour period beginning at 4:00 p.m. on the dates indicated is tabulated in pounds of contaminant per shift.

<u>Date</u>	<u>Shift</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>
11-16-58	4-12	74	0.24
	12-8	156	0.49
	8-4	<u>95</u>	<u>0.49</u>
	Total	325	1.22
11-24-58	4-12	48	0.49
	12-8	2.4	0.49
	8-4	<u>11.5</u>	<u>0.24</u>
	Total	61.9	1.22
12-2-58	4-12	61	0.48
	12-8	48	0.25
	8-4	<u>18</u>	<u>1.12</u>
	Total	127	1.85
12-10-58	4-12	30	0.28
	12-8	36	0.12
	8-4	<u>44</u>	<u>0.98</u>
	Total	110	1.38
12-18-58	4-12	18	0.28
	12-8	39	0.49
	8-4	<u>48</u>	<u>0.24</u>
	Total	105	1.01
12-26-58	4-12	4.5	0.26
	12-8	40.0	0.26
	8-4	<u>4.5</u>	<u>0.26</u>
	Total	49.0	0.78

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

EG:mpf

*C. Varlan*  
 A. Varlan

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: November 24, 1958

Copies To: File - NoRC

Subject: Air Pollution Study

K-1131 stack emissions for the 24-hour period beginning at 4:00 p.m. October 23 are tabulated in pounds of contaminant per shift:

	$F_2$	$UF_6$
4-12 Shift	3	0.13
12-8 Shift	3	0.24
8-4 Shift	3	0.24
Total	9	0.61

Beginning at 4:00 p.m. October 31:

	$F_2$	$UF_6$
4-12 Shift	72	0.24
12-8 Shift	85	0.24
8-4 Shift	28	0.24
Total	185	0.72

Beginning at 4:00 p.m. November 8:

	$F_2$	$UF_6$
4-12 Shift	12	0.24
12-8 Shift	81	0.20
8-4	31	0.24
Total	124	0.68

*A. Varlan*  
 A. Varlan

EG:mpf

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

JAN 30 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: January 28, 1958

Copies To: Mr. H. L. Fellers  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of January 24 were as follows:

Shift	COAL			NATURAL GAS		
	Coal Tons	% Sulfur	SO <sub>2</sub> Lb	Gas M cu ft	Sulfur Grains/100 cu ft	SO <sub>2</sub> Lb
4-12 Jan. 24	12.04	3.5	1,686	1,168	20	67
12-8 Jan. 25	12.77	3.5	1,788	1,159	20	66
8-4 Jan. 25	12.71	3.5	1,779	1,159	20	66

*W. C. Hartman*

W. C. Hartman  
Process Utilities Department

WCH:HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 14 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

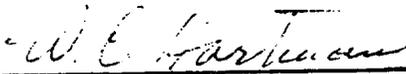
Date: February 14, 1958

Copies To: Mr. H. L. Fellers  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of February 9 were as follows:

Shift	COAL			NATURAL GAS		
	Coal Tons	% Sulfur	SO <sub>2</sub> Lb.	Gas K cu.ft.	Sulfur Grains/100 cu.ft.	SO <sub>2</sub> Lb.
4-12 Feb. 9	19.4	3.5	2,716	1,167	20	67
12-8 Feb. 10	22.0	3.5	3,080	1,175	20	67
8-4 Feb. 10	24.0	3.5	3,360	1,175	20	67

  
W. C. Hartman  
Process Utilities Department

WCH:HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 21 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray Plant: ORGDP  
Date: February 21, 1958  
Copies To: Mr. A. L. Allen Subject: Air Pollution Study  
Mr. J. Dykstra  
Mr. D. L. Stoddard  
Mr. A. Varlan  
File (NoRC)

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. February 17 to 4:00 p.m. February 18, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	52	0.64		
(12-8)	53	0.44		
(8-4)	84	0.51		
	<u>189</u>	<u>1.59</u>		
K-1301**	32.8			27
K-1420 "E" Area**	11.2			4
K-1420 "F" Area			200	

B. H. Thompson  
B. H. Thompson

BHT:nrw

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

\*\* Vented from K-1302

FEB 21 1958

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: February 19, 1958

Copies To: File  
W. C. Hartman

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of February 17 were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Coal Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lb</u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lb</u>
4-12 Feb. 17	37.8	3.5	5,292	1,043	20	60
12-8 Feb. 18	39.3	3.5	5,502	985	20	56
8-4 Feb. 18	41.1	3.5	5,754	988	20	56



H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 5 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: March 5, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of February 25 were as follows:

Shift	<u>COAL</u>			<u>NATURAL GAS</u>		
	Coal Tons	% Sulfur	SO <sub>2</sub> Lb.	Gas M Cu ft	Sulfur Grains/100 cu ft	SO <sub>2</sub> Lb.
4-12 Feb. 25	0.8	3.5	112	1,354	20	77
12-8 Feb. 26	0.8	3.5	112	1,273	20	73
8-4 Feb. 26	0.4	3.5	56	1,273	20	73



H. L. Fellers  
Process Utilities Department

HLF:gl  
Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

3/5/58

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

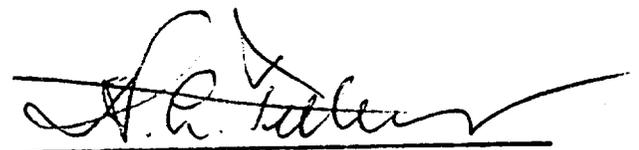
Date: March 10, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of March 5 were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Coal Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lb.</u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lb.</u>
4-12 March 5	0	0	0	1,208	20	69
12-8 March 6	0	0	0	1,201	20	69
8-4 March 6	0	0	0	1,261	20	72



H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 27 1958

3/21/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: March 26, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of March 21, 1958, were as follows:

Shift	COAL			NATURAL GAS		
	Coal Tons	% Sulfur	Lb. SO <sub>2</sub>	Gas M cu ft	Sulfur Grains/100 cu ft	Lb. SO <sub>2</sub>
4-12 March 21	6.953	3.5	973	1,316	20	75
12-8 March 22	7.763	3.5	1,087	1,306	20	75
8-4 March 22	3.713	3.5	520	1,272	20	73

H. L. Fellers  
Process Utilities Department

HLF:gl  
Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAR 19 1958

3/19/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: March 17, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of March 13, 1958 were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Coal Tons</u>	<u>% Sulfur</u>	<u>Lb. SO<sub>2</sub></u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>Lb. SO<sub>2</sub></u>
4-12 March 13	30.14	3.5	4,219	754	20	43
12-8 March 14	19.09	3.5	2,673	972	20	56
8-4 March 14	19.87	3.5	2,782	1,000	20	57

H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 3 1958

4/6/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

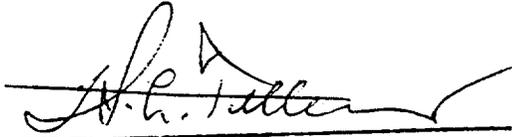
Date: April 3, 1958

Copies To: W. C. Martman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of April 6 were as follows:

Shift	COAL			NATURAL GAS		
	Tons	% Sulfur	SO <sub>2</sub> Lbs.	cu ft	Sulfur Grains/100 cu ft	SO <sub>2</sub> Lbs.
4-12 April 6	0	0	0	1,006	20	57
12-8 April 7	0	0	0	1,104	20	63
8-4 April 7	0	0	0	1,296	20	74

  
H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 2 1958  
3/29/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: CRGDP

Date: March 31, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of March 29, 1958, were as follows:

Shift	COAL			NATURAL GAS		
	Coal Tons	% Sulfur	SO <sub>2</sub> Lbs.	Gas M cu ft	Sulfur Grains/100 cu ft	SO <sub>2</sub> Lbs.
4-12 March 29	0	0	0	1,130	20	65
12-8 March 30	0	0	0	1,166	20	67
8-4 March 30	0	0	0	1,174	20	67

H. L. Fellers  
Process Utilities Department

H.F:cl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/2/58  
APR 28 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Copies To: W. C. Hartman  
File

Plant: ORGDP  
Date: April 24, 1958  
Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of April 22, 1958, were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lbs.</u>	<u>M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs.</u>
4-12 April 22	0	0	0	1,055	20	60
12-8 April 23	1.0	3.5	140	1,120	20	64
8-4 April 23	1.5	3.5	210	1,152	20	66

  
H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/14/58  
APR 17 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: April 16, 1958

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of April 14 were as follows:

Shift	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lbs.</u>	<u>M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs.</u>
4-12 April 14	0	0	0	1,105	20	63
12-8 April 15	0	0	0	1,094	20	63
8-4 April 15	0	0	0	1,190	20	68



H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 13 1958

*5/13/58*

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

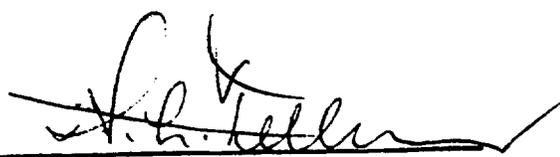
Date: May 12, 1958

Copies To: C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of May 8, 1958, were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lbs.</u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs.</u>
4-12 May 8	3.713	3.5	520	904	20	52
12-8 May 9	-	-	-	968	20	55
8-4 May 9	-	-	-	1,108	20	63

  
H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

4/30/58  
MAY 5 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP  
Date: May 2, 1958

Copies To: C. C. Fowlkes  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of April 30, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>M cu ft</u>	<u>NATURAL GAS</u>	
			<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs.</u>
4-12 April 30	0	926	20	53
12-8 May 1	0	914	20	52
8-4 May 1	0	1,035	20	59



H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

>

*INTER-COMPANY CORRESPONDENCE*

**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

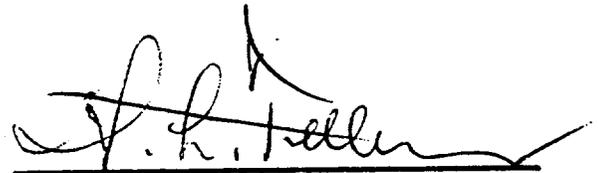
Date: May 26, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of May 24, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs.
4-12 May 24	0	772	20	44
12-8 May 25	0	770	20	44
8-4 May 25	0	772	20	44



H. L. Fellers  
Process Utilities Department

HLF:gl

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: June 3, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of June 1, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	<u>SO<sub>2</sub></u> <u>Lbs.</u>
4-12 June 1	0	732	20	42
12-8 June 2	0	736	20	42
8-4 June 2	0	808	20	46



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant. Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 12 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

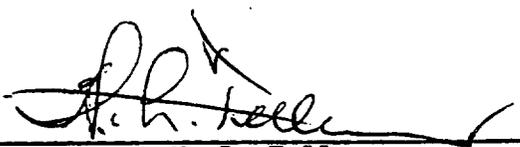
Date: June 11, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of June 9, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		<u>SO<sub>2</sub></u> <u>Lbs</u>
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	
4-12 June 9	0	760	20	43
12-8 June 10	0	731	20	42
8-4 June 10	0	794	20	45

  
H. L. Fellers  
Process Utilities Department

HLF:gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 25 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: June 24, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of June 17 were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 June 17	0	713	20	41
12-8 June 18	0	716	20	41
8-4 June 18	0	746	20	43



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 10 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. C. Ray ✓  
K-1003

Plant: Oak Ridge Gaseous Diffusion

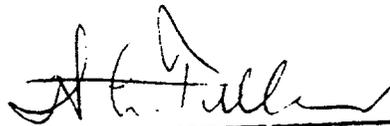
Date: July 10, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of July 3 were as follows:

<u>Shift</u>	<u>Coal</u>	<u>Natural Gas</u>		
		<u>Gas</u> <u>cu. ft.</u>	<u>Sulfur</u> <u>Grains/100 Cu. Ft.</u>	<u>SO<sub>2</sub></u> <u>lbs</u>
4-12 July 3	0	638	20	36.
12-8 July 4	0	617	20	35.
8-4 July 4	0	645	20	37.

  
H. T. Fellers  
Process Utilities Department

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUL 3 1958

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: July 1, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of June 25 were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	<u>SO<sub>2</sub></u> <u>Lbs</u>
4-12 June 25	0	674	20	39
12-8 June 26	0	655	20	37
8-4 June 26	0	724	20	41

*C. C. Fowlkes*  
for H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant. Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

JUL 22 1958

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: July 21, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of July 19, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	<u>SO<sub>2</sub></u> <u>Lbs</u>
4-12 July 19	0	700	20	40
12-8 July 20	0	696	20	40
8-4 July 20	0	705	20	40

  
H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUL 15 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

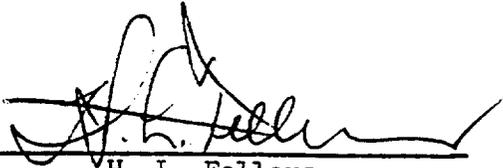
Date: July 14, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of July 11, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		<u>SO<sub>2</sub></u> <u>Lbs</u>
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	
4-12 July 11	0	710	20	41
12-8 July 12	0	676	20	39
8-4 July 12	0	620	20	35

  
H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

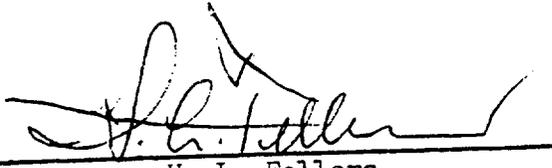
Date: August 7, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of August 4, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		<u>SO<sub>2</sub></u> <u>Lbs</u>
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	
4-12 Aug. 4	0	765	20	44
12-8 Aug. 5	0	742	20	42
8-4 Aug. 5	0	807	20	46

  
H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUL 30 1958

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: July 29, 1958

Copies To: Mr. C. C. Fowlkes  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of July 27, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	<u>SO<sub>2</sub></u> <u>Lbs</u>
4-12 July 27	0	720	20	41
12-8 July 28	0	721	20	41
8-4 July 28	0	816	20	47



H. L. Fellers

Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 25 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: August 22, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of August 20, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 August 20	0	728	20	42
12-8 August 21	0	733	20	42
8-4 August 22	0	828	20	47



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: August 19, 1958

Copies To: File  
Mr. W. C. Hartman

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of August 12, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Aug. 12	0	737	20	42
12-8 Aug. 13	0	706	20	40
8-4 Aug. 13	0	804	20	46



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

SEP 8 1958

To: Dr. T. L. Ray  
K-1003

Plant: CRGDP

Date: September 8, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of September 5, 1958, were as follows:

		<u>NATURAL GAS</u>		
<u>Shift</u>	<u>Coal</u>	<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Sept. 5	0	745	20	43
12-8 Sept. 6	0	703	20	40
8-4 Sept. 6	0	703	20	40

  
H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

SEP 4 1958

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: September 3, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of August 28, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> <u>M cu ft</u>	<u>Sulfur</u> <u>Grains/100 cu ft</u>	<u>SO<sub>2</sub></u> <u>Lbs</u>
4-12 August 28	0	734	20	42
12-8 August 29	0	736	20	42
8-4 August 29	0	818	20	47



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

SEP 16 1958

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: September 15, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of September 13, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Sept. 13	0	716	20	41
12-8 Sept. 14	0	722	20	41
8-4 Sept. 14	0	723	20	41



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: CRGDP

Date: September 24, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of September 21, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Sept. 21	0	760	20	43
12-8 Sept. 22	0	746	20	43
8-4 Sept. 22	0	883	20	50

  
W. C. Hartman  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

301 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: October 1, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of September 29, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		<u>SO<sub>2</sub> Lbs</u>
		<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	
4-12 Sept. 29	0	890	20	51
12-8 Sept. 30	0	898	20	51
8-4 Sept. 30	0	1,128	20	64



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: October 9, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of October 7, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Oct. 7	0	964	20	55
12-8 Oct. 8	0	1,072	20	61
8-4 Oct. 8	0	1,094	20	63

  
H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: October 24, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of October 23, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Oct. 23	0	952	20	54
12-8 Oct. 24	0	1,060	20	61
8-4 Oct. 24	0	1,162	20	66

  
H. L. Fellers  
Process Utilities Department

HLF/gl.

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

OCT 20 1958

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: October 17, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of October 15, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Oct. 15	-	980	20	56
12-8 Oct. 16	-	982	20	56
8-4 Oct. 16	-	1,116	20	64



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: November 3, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of October 31, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Oct. 31	0	1,066	20	61
12-8 Nov. 1	0	1,103	20	63
8-4 Nov. 1	0	1,094	20	63

  
 H. L. Fellers  
 Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

<b>To:</b>	Dr. T. L. Ray K-1003	<b>Plant:</b>	CRGDP
		<b>Date:</b>	November 12, 1958
<b>Copies To:</b>	Mr. W. C. Hartman File	<b>Subject:</b>	Plant Air Effluent Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of November 8, 1958, were as follows:

		<u>NATURAL GAS</u>		
<u>Shift</u>	<u>Coal</u>	<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lbs
4-12 Nov. 8	0	1,138	20	65
12-8 Nov. 9	0	1,172	20	67
8-4 Nov. 9	0	1,060	20	61

  
 \_\_\_\_\_  
 H. L. Fellers  
 Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: November 26, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of November 24, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lb
4-12 Nov. 24	0	1,115	20	64
12-8 Nov. 25	0	1,180	20	67
8-4 Nov. 25	0	1,274	20	73



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 20 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: November 19, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of November 16, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lb
4-12 Nov. 16	0	974	20	56
12-8 Nov. 17	0	1,016	20	58
8-4 Nov. 17	0	1,082	20	62

  
H. L. Fellers  
Process Utilities Department

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: December 9, 1958

Copies To: Mr. W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of December 2, 1958, were as follows:

<u>Shift</u>	<u>Coal</u>	<u>NATURAL GAS</u>		
		<u>Gas</u> M cu ft	<u>Sulfur</u> Grains/100 cu ft	<u>SO<sub>2</sub></u> Lb
4-12 Dec. 2	0	1,347	20	77
12-8 Dec. 3	0	1,326	20	76
8-4 Dec. 3	0	1,456	20	83



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: CRGDP

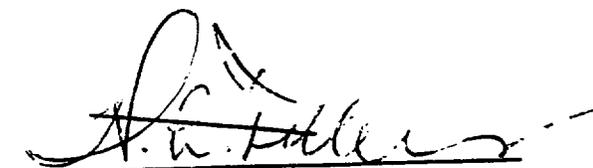
Date: December 12, 1958

Copies To: W. C. Hartman  
 File

Subject: Plant Air Effluent  
 Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of December 10, 1958, were as follows:

<u>Shift</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
	<u>Coal Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lbs.</u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs.</u>
4-12 Dec. 10	26	3.5	3,640	1,000	20	57
12-8 Dec. 11	27	3.5	3,780	1,000	20	57
8-4 Dec. 11	29	3.5	4,010	996	20	57



H. L. Fellers  
 Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
 A Division of Union Carbide and Carbon Corporation

JAN 1959

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

Date: January 7, 1959

Copies To: W. C. Hartman  
File

Subject: Plant Air Effluent  
Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of December 26, 1958, were as follows:

SHIFT	COAL			NATURAL GAS		
	Coal Tons	% Sulfur	SO <sub>2</sub> Lbs	Gas M cu ft	Sulfur Grains/100 cu ft	SO <sub>2</sub> Lbs
4-12 Dec. 26	18	3.5	2,520	1,046	20	57
12-8 Dec. 27	14	3.5	1,960	1,168	20	67
8-4 Dec. 27	12	3.5	1,680	1,158	20	66



H. L. Fellers  
Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

**INTER-COMPANY CORRESPONDENCE**  
**UNION CARBIDE NUCLEAR COMPANY**  
 A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: ORGDP

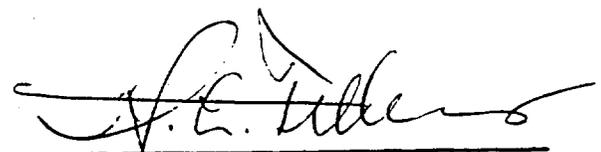
Date: December 23, 1958

Copies To: W. C. Hartman  
 File

Subject: Plant Air Effluent  
 Emission

Fuel consumption and approximate sulfur dioxide emission at the K-1501 Steam Plant for the scheduled sampling date of December 16, 1958, were as follows:

	<u>SHIFT</u>	<u>COAL</u>			<u>NATURAL GAS</u>		
		<u>Coal Tons</u>	<u>% Sulfur</u>	<u>SO<sub>2</sub> Lbs</u>	<u>Gas M cu ft</u>	<u>Sulfur Grains/100 cu ft</u>	<u>SO<sub>2</sub> Lbs</u>
4-12	Dec. 18	25	3.5	3,500	992	20	57
12-8	Dec. 19	27	3.5	3,780	992	20	57
8-4	Dec. 19	30	3.5	4,200	992	20	57



H. L. Fellers  
 Process Utilities Department

HLF/gl

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.



# [Chemicals Listing]

ClO <sub>2</sub> F			ClF			SO <sub>2</sub>		
312-1	312-3	Total	312-1	312-3	Total	703	1501	Total
	0.05	0.05				376	5452	5828
	0.52	0.52		0.23	0.23	<sup>2-1-53</sup> 370	9357	9727
	0.22	0.22					16710	16710
							503	503
	1.38	1.38				260	210	212.6
				0.44	0.44	18.6	9830	9848.6
						68.4	2803	2871.4
	0.05	0.05		0.31	0.31			
	0.84	0.84		0.42	0.42	35.0	199	234.0
						17.8	184	201.8
	<sup>4115</sup> 0.04	0.04				21.0	194	215.0
	<sup>4123</sup> 1.46	1.46		<sup>4123</sup> 0.57	0.89	540	3.2	543.2
						364	164	194.4
0.14	0.14					28.2	690	718.2
							132	132
							130	130
							130	130
							125	125
							117	117
							108	108
							115	115
							120	120
0.52	0.52	0.03			0.03		129	129
6.216	0.46	0.13			0.13		132	132
							128	128
							131	131
							131	131
							123	123
							123	123
1.19	0.19						136	136
							166	166
							179	179
.16	0.16						176	176

Union Carbide Nuclear Company, Oak Ridge Gaseous  
 Diffusion Plant, Operating Contractor for the U.S.  
 Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 26, 1958

Copies To: Mr. D. L. Stoddard  
File NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., November 24 to 4:00 p.m., November 25, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
J. Wykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: November 26, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 12 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift November 25, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 1 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date June 1, 1959  
 Company  
 Location K-1003 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Wednesday, May 27 to 4:00 p.m. Thursday, May 28.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	3.	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

*D. M. Lang*  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date June 3, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Thursday, June 4 to 4:00 p.m. Friday, June 5.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	5.	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name)	Dr. T. L. Ray	Date	June 15, 1959
Company	ORGDP	Originating Dept.	Technical Division
Location	K-1003	Answering letter date	
Copy to	Mr. J. C. Barton Mr. P. R. Vanstrum Mr. W. J. Wilcox File	Subject	Air Pollution

There was no discharge of  $\text{HF}$ ,  $\text{F}_2$ ,  $\text{ClF}_3$ , or  $\text{UF}_6$  to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00 p.m. Friday, June 12 to 4:00 p.m. Saturday, June 13.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 23 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name)	Dr. T. L. Ray	Date	June 23, 1959
Company	ORGDP	Originating Dept.	Technical Division
Location	K-1003	Answering letter date	
Copy to	Mr. J. C. Barton Mr. P. R. Vanstrum Mr. W. J. Wilcox File	Subject	Air Pollution

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00<sup>3</sup> p.m. Saturday, June 20 to 4:00 p.m. Sunday, June 21.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

JUL 11 1959

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date July 9, 1959  
Company ORGDP  
Location K-1003 Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Monday, July 6 to 4:00 p.m. Tuesday, July 7.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0.3	0	0
Pilot Plant	12-8	0	0	0.73	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:jeb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date July 16, 1959  
 Company ORGDP  
 Location K-1003  
 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Tuesday, July 14 to 4:00 p.m. Wednesday, July 15.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0	1.46	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

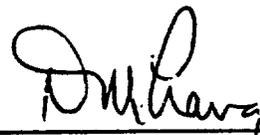


INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name)	Dr. F. L. Ray	Date	July 24, 1959
Company	ORGDP	Originating Dept.	Technical Division
Location	K-1003	Answering letter date	
Copy to	Mr. J. C. Barton Mr. P. R. Vanstrum Mr. W. J. Wilcox File	Subject	Air Pollution

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00<sup>3</sup> p.m. Wednesday, July 22 to 4:00 p.m. Thursday, July 23.

  
\_\_\_\_\_  
D. M. Lang ✓

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. F. L. Ray  
Company ORGDP  
Location K-1003

Date August 3, 1959  
Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Thursday, July 30 to 4:00 p.m. Friday, July 31.

Location	Estimated Effluent to Atmosphere, lbs.			
	HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401 4-12	0	5.	0	0
Furnace Area 12-8	0	0	0	0
8-4	0	3.	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

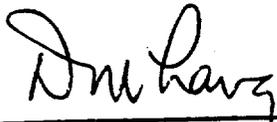
To (Name) Dr. T. L. Ray Date August 11, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Friday, August 7 to 4:00 p.m. Saturday, August 8.

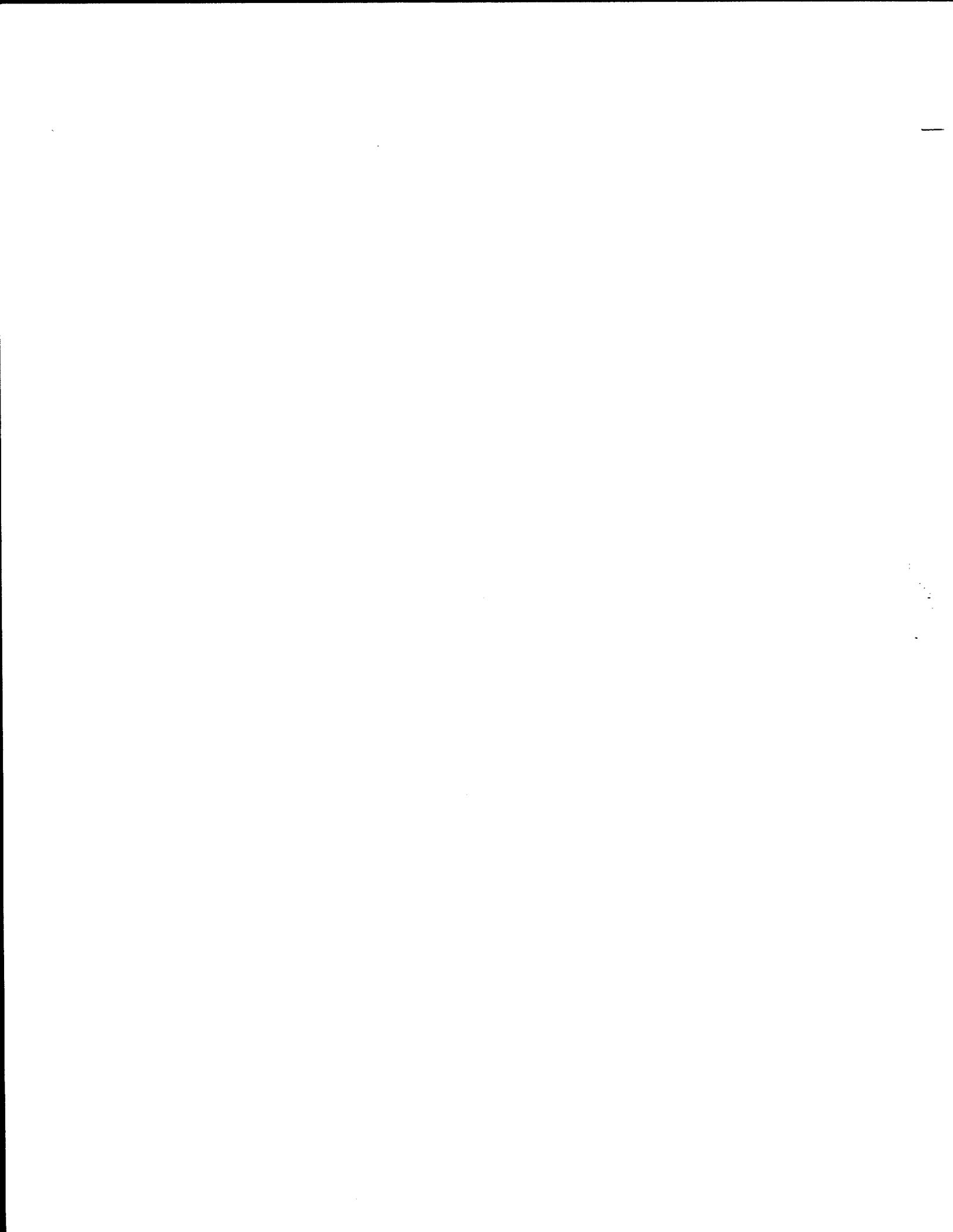
Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	3.	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.







INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date August 17, 1959  
 Company ORGDP  
 Location K-1003  
 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, August 15 to 4:00 p.m. Sunday, August 16.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0.3	7.4	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

AUG 25 1959

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date August 25, 1959  
 Company ORGDP  
 Location K-1003 Originating Dept. Technical Division  
 Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Sunday, August 23 to 4:00 p.m. Monday, August 24.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0.3	0	0
	12-8	0	0	0.74	0
	8-4	0	0	1.46	0
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	3.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE. TENNESSEE

To (Name) Dr. T. L. Ray  
Company ORGDP  
Location K-1003

Date September 2, 1959  
Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Monday, August 31 to 4:00 p.m. Tuesday, September 1.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0.3	0	0
	8-4	0	0	0.74	0
K-1401	4-12	0	7.	0	0
	12-8	0	0	0	0
	8-4	0	2.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
\_\_\_\_\_  
D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date September 18, 1959  
 Company ORGDP  
 Location K-1003  
 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Wednesday, September 16 to 4:00 p.m. Thursday, September 17.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0.3	0.74	0
	8-4	0	0.3	0	0
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	4.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

SEP 11 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Dr. T. L. Ray Date September 10, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Tuesday, September 8 to 4:00 p.m. Wednesday, September 9.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	8.	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

1959



INTERNAL CORRESPONDENCE

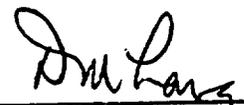
UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date October 6, 1959  
 Company ORGDP  
 Location K-1003 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Friday, October 2 to 4:00 p.m. Saturday, October 3.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	0.3	0	0
K-1401	4-12	0	3.	0	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

SEP 23 1959



INTERNAL CORRESPONDENCE

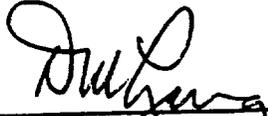
UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date September 28, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Thursday, September 24 to 4:00 p.m. Friday, September 25.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	12-8	0	0.3	2.92	0
	8-4	0	0	4.38	0
K-1401	4-12	0	7.	0	0
	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

OCT 12 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date October 12, 1959  
 Company ORGDP  
 Location K-1003 Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, October 10 to 4:00 p.m. Sunday, October 11.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0.74	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

OCT 23 1959



INTERNAL CORRESPONDENCE

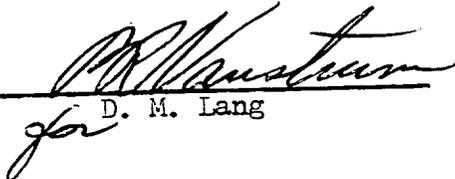
UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date October 20, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Sunday, October 18 to 4:00 p.m. Monday, October 19.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	0	0	0
	8-4	0	4.	0	0.1

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

  
 D. M. Lang

DML:JAM:rwf

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date October 28, 1959  
 Company ORGDP  
 Location K-1003 Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1413 from 4:00 p.m. Monday, October 26 to 4:00 p.m. Tuesday, October 27.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1413	4-12	0	30.	0	1.
Dev. Lab.	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1401 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

NOV 6 1959



INTERNAL CORRESPONDENCE

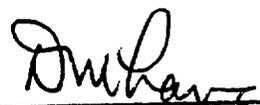
UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date November 5, 1959  
 Company ORGDP Originating Dept. Technical Division  
 Location K-1003 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, and K-1401 from 4:00 p.m. Tuesday, November 3 to 4:00 p.m. Wednesday, November 4.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
	Pilot Plant 12-8	0	0.3	0	0
	8-4	0	0	0.74	0
K-1401	4-12	0	9.	0	0
	Furnace Area 12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.

NOV 16 1959

UCN-428  
(1 1-59)



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date November 13, 1959  
 Company ORGDP  
 Location K-1003 Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L, K-1401, and K-1413 from 4:00 p.m. Wednesday, November 11 to 4:00 p.m. Thursday, November 12.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L Pilot Plant	4-12	0	0	0	0
	12-8	0	0.30	0.74	0
	8-4	0	0	0	0
K-1401 Furnace Area	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	3.00	0	0
K-1413 Dev. Lab.	4-12	0	0	0	0
	12-8	0	19.75	0	0.23
	8-4	0	0	0	0

  
 \_\_\_\_\_  
 D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
 Gaseous Diffusion Plant, Operating Contractor  
 for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard  
Company ORGDP  
Location K-1003

Date November 23, 1959  
Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

There was no discharge of HF, F<sub>2</sub>, ClF<sub>3</sub>, or UF<sub>6</sub> to the atmosphere from K-1004-L, K-1401, or K-1413 from 4:00<sup>3</sup>p.m. Thursday, November 19 to 4:00 p.m. Friday, November 20.

  
D. M. Lang

DML:JAM:rw b

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

OCT 30 1958

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

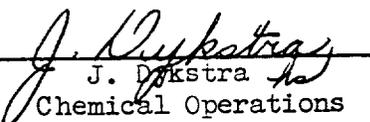
Date: October 29, 1958

Copies To: Dr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., October 23, to 4:00 p.m., October 24, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: October 29, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 10 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift October 24, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

NOV 5 1958

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: November 4, 1958

Copies To: File - NoRC

Subject: Air Pollution Study -  
K-1420 Large Equipment  
Decontamination Area

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. October 31 to 4:00 P.M. November 1, 1958.

T. P. Fleming  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

NOV 5 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: November 4, 1958

Copies To: Mr. D. L. Stoddard  
File NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., October 31 to 4:00 p.m., November 1, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY** 10: 11 558  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: November 18, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 8 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift November 17, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

407 117

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: November 10, 1958

Copies To: File - NoRC

Subject: Air Pollution Study -  
K-1420 Large Equipment  
Decontamination Area

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. November 8 to 4:00 P.M. November 9, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming  
Chemical Operations

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard  
Company ORGDP  
Location K-1003

Date November 30, 1959  
Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Friday, November 27 to 4:00 p.m. Saturday, November 28.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0.74	0
Pilot Plant	12-8	0	0	0	0
	8-4	0	0	0	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard  
Company ORGDP  
Location K-1003

Date December 7, 1959  
Originating Dept. Technical Division  
Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Saturday, December 5 to 4:00 p.m. Sunday, December 6.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.30	0	0
	8-4	0	0	0.74	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

DEC 17 1959



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard  
Company ORGDP  
Location K-1003

Date December 16, 1959  
Originating Dept. Technical Division

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L from 4:00 p.m. Sunday, December 13 to 4:00 p.m. Monday, December 14.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0	0
Pilot Plant	12-8	0	0.30	0	0
	8-4	0	0	0.74	0

None of the above gases were vented to the atmosphere from K-1401 or K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard Date December 23, 1959  
 Company ORGDP  
 Location K-1003  
 Originating Dept. Technical Division  
 Answering letter date  
 Copy to Mr. J. C. Barton Subject Air Pollution  
 Mr. P. R. Vanstrum  
 Mr. W. J. Wilcox  
 File

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1004-L and K-1401 from 4:00 p.m. Monday, December 21 to 4:00 p.m. Tuesday, December 22.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1004-L	4-12	0	0	0.74	0
	12-8	0	0	0	0
	8-4	0	0	0	0
K-1401	4-12	0	0	0	0
	12-8	0	0	0	0
	8-4	0	6.	0	0

None of the above gases were vented to the atmosphere from K-1413 during this period.

D. M. Lang

DML:JAM:rwb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.



INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P. OAK RIDGE, TENNESSEE

To (Name) Mr. D. L. Stoddard  
Company CRGDP  
Location K-1003

Date January 4, 1950  
Originating Dept. Technical Services

Answering letter date

Copy to Mr. J. C. Barton  
Mr. P. R. Vanstrum  
Mr. W. J. Wilcox  
File

Subject Air Pollution

Below are shown the estimated quantities of HF, F<sub>2</sub>, ClF<sub>3</sub>, and UF<sub>6</sub> discharged to the atmosphere from K-1401 from 4:00 p.m. Tuesday, December 29 to 4:00 p.m. Wednesday, December 30.

Location		Estimated Effluent to Atmosphere, lbs.			
		HF	F <sub>2</sub>	ClF <sub>3</sub>	UF <sub>6</sub>
K-1401	4-12	0	0	0	0
Furnace Area	12-8	0	5.	0	0
	8-4	0	4.	0	0

None of the above gases were vented to the atmosphere from K-1004-L or K-1413 during this period.

D. M. Lang

DML:JAM:jeb

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

FEB 14 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: February 12, 1958

Copies To: Mr. A. L. Allen  
Mr. R. J. Clouse  
Mr. J. Dykstra  
Mr. T. P. Fleming  
Mr. E. L. Halstead  
Mr. W. C. Paris  
Mr. D. L. Stoddard  
Mr. A. Varlan  
File

Subject: Air Pollution Study

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. February 9 to 4:00 p.m. February 10, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO</u>	<u>HF</u>
{ K-1131 (4-12)	1.9	0.33		
	(12-8)	2.9	0.45	
	(8-4)	<u>15.1</u>	<u>0.34</u>	
		19.9	1.12	
{ K-1301**	32.8			27
{ K-1420 "E" Area**	11.2			2.2
K-1420 "F" Area			200	

B. H. Thompson  
B. H. Thompson

BHT:nrw

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

\*\*Vented from K-1302

3/5/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: ✓ Dr. T. L. Ray

Plant: ORGDP

Date: March 10, 1958

Copies To: Mr. A. L. Allen  
Mr. J. Dykstra  
Mr. D. L. Stoddard  
Mr. A. Varlan  
File (NoRC)

Subject: Air Pollution Study

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. March 5 to 4:00 p.m. March 6, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	18	0.12		
(12-8)	20	0.37		
(8-4)	<u>2.3</u>	<u>0.50</u>		
	40.3	0.00		
K-1301 **	32.8			27
K-1420 "E" Area**	0			0
K-1420 "F" Area			200	
K-1420 "C" Area			32	

*B. H. Thompson*  
B. H. Thompson

BHT:nr

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

\*\* Vented from K-1302

FEB 28 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: ORGDP  
Date: February 28, 1958  
Copies To: Mr. A. L. Allen  
Mr. J. Dykstra  
Mr. D. L. Stoddard  
Mr. A. Varlan  
File (NoRC)  
Subject: Air Pollution Study

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. February 25 to 4:00 p.m. February 26, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	0.23	0.12		
(12-8)	0.10	0.11		
(8-4)	<u>0.22</u>	<u>0.12</u>		
	0.55	0.35		
K-1301**	32.8			27
K-1420 "E" Area**	11.2			4
K-1420 "F" Area			200	
K-1420 "C" Area			28	

B. H. Thompson  
B. H. Thompson

BHT:nrw

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

\*\* Vented from K-1302

MAR 26 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: March 25, 1958

Copies To: Mr. A. L. Allen

Mr. J. Dykstra

Mr. D. L. Stoddard ✓

Mr. A. Varlan

File (NoRC)

Subject: Air Pollution Study

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. March 21 to 4:00 p.m. March 22, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	2.3	0.140		
(12-8)	1.8	0.100		
(8-4)	<u>0.3</u>	<u>0.088</u>		
	4.4	0.328		
K-1301**	32.8			27
K-1420 "E" Area	0			0
K-1420 "F" Area			200	
K-1420 "C" Area			0	

*E. H. Thompson*  
E. H. Thompson

BHT:rh

\*\*Vented from K-1302

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

MAR 19 1958

3/13/58

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: March 18, 1958  
Copies To: Mr. A. L. Allen  
Mr. J. Dykstra  
Mr. D. L. Stoddard  
Mr. A. Varlan  
File (NoRC)  
Subject: Air Pollution Study

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. March 13 to 4:00 p.m. March 14, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	45	0.094		
(12-8)	12	0.094		
(8-4)	<u>0.23</u>	<u>0.094</u>		
	57.23	0.282		
K-1301**	32.8			27
K-1420 "E" Area**	0			0
K-1420 "F" Area			200	
K-1420 "C" Area			22	

B. H. Thompson  
B. H. Thompson

BHT:rh

\*\*Vented from K-1302

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

4-17-58  
APR 17 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: April 16, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. April 14 to 4:00 P.M. April 15 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	6
12-8	0
8-4	<u>2</u>
Total	8

  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

APR 3 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

*3/29/58*

To: Dr. T. L. Ray Plant: Oak Ridge Gaseous Diffusion  
 Date: April 2, 1958  
 Subject: Air Pollution Study

Copies To: Mr. A. L. Allen  
 Mr. J. Dykstra  
 Mr. D. L. Stoddard ✓  
 Mr. A. Varlan  
 File (NoRC)

The following summary covers total stack emissions (reported in pounds) for the Chemical Operations Department during the period from 4:00 p.m. March 29 to 4:00 p.m. March 30, 1958:

Emissions for Chemical Operations

	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1131 (4-12)	13.0	0.35		
(12-8)	0.4	0.30		
(8-4)	<u>24.0</u>	<u>0.55</u>		
	37.4	1.18		
K-1301**	32.0			27
K-1420 "E" Area	0			0
K-1420 "F" Area			200	
K-1420 "C" Area			14	

*B. H. Thompson*  
B. H. Thompson *rh*

BHT:rh

\*\*Vented from K-1302

Union Carbide Nuclear Company, Oak Ridge Gaseous  
 Diffusion Plant, Operating Contractor for the U.S.  
 Atomic Energy Commission.

4/30/58  
MAY 5 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray Plant: ORGDP  
Date: May 2, 1958  
Copies To: Mr. D. L. Stoddard Subject: Air Pollution Study  
File (NORC)

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m. April 30 to 4:00 p.m., May 1, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	0.0	-	-	0.0
K-1420 "F" Area	-	-	-	-

*R. J. Clouse*  
for J. Dykstra  
Chemical Division

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

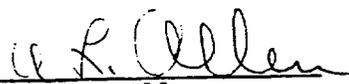
4/22/58  
APR 28 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: April 24, 1958  
Copies To: File - NoRC  
Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. April 22 to 4:00 P.M. April 23 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	10
12-8	12
8-4	<u>12</u>
Total	34

  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

41/2/58

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: May 2, 1958

Copies To: File

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. April 30 to 4:00 P.M. May 1 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	14
12-8	14
8-4	<u>12</u>
Total	40

  
R. E. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

MAY 12 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray Plant: ORGDP  
Date: May 12, 1958  
Subject: Air Pollution Study  
Copies To: Mr. D. L. Stoddard  
File (NORC)

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m. May 8 to 4:00 p.m., May 9, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	0.0	-	-	0.0
K-1420 "F" Area	-	-	-	-

  
J. Dykstra  
Chemical Division

JD/ph

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

5/2/58

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: May 12, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. May 8 to 4:00 P.M. May 9 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	18
12-8	0
8-4	<u>14</u>
	32

A. L. Allen  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

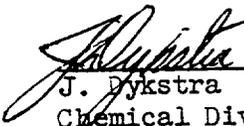
Date: May 19, 1958

Copies To: Mr. D. L. Stoddard  
File (NoRC)

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., May 16 to 4:00 p.m., May 17, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	0.0	-	-	0.0
K-1420 "F" Area	-	-	-	-

  
\_\_\_\_\_  
J. Dykstra  
Chemical Division

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: ORGDP

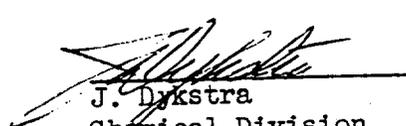
Date: May 26, 1958

Copies To: Mr. D. L. Stoddard  
File (NoRC)

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., May 24 to 4:00 p.m., May 25, 1958. The stack emissions are reported in pounds.

<u>Operating Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 E Area	0.0	-	-	0.0
K-1420 F Area	-	-	-	-

  
J. Dykstra  
Chemical Division

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

5/21/58

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: May 19, 1958

Copies To: File

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. May 16 to 4:00 P.M. May 17 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	12
12-8	0
8-4	<u>0</u>
	12

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

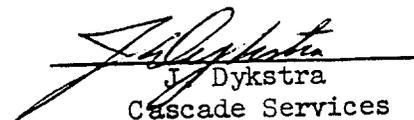
To: Dr. T. L. Ray  
 K-1003

Copies To: Mr. D. L. Stoddard  
 File (NoRC)

Plant: Oak Ridge Gaseous Diffusion  
 Date: June 5, 1958  
 Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., June 1 to 4:00 p.m., June 2, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	11.2	-	-	4.
K-1420 "F" Area	-	-	-	-

  
 J. Dykstra  
 Cascade Services

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: May 26, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Spray Booths

There were no oxides of nitrogen vented to the atmosphere from the  
K-1420 Spray Booths from 4:00 P.M. May 24 to 4:00 P.M. May 25, 1958.

  
\_\_\_\_\_  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 4 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: June 3, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Spray Booths

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Spray Booths from 4:00 P.M. June 1 to 4:00 P.M. June 2, 1958.

  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

JUN 13 1958

UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 11, 1958

Copies To: Mr. D. L. Stoddard  
File (NoRC)

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., June 9 to 4:00 p.m., June 10, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	0	-	-	0
K-1420 "E" Area	11.2	-	-	4
K-1420 "F" Area	-	-	-	-

  
J. Dykstra  
Cascade Services

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

JUN 20 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 19, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

There were no stack emissions through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, nor the K-1420 stack by "F" Area during the period 4:00 p.m., June 17 to 4:00 p.m., June 18, 1958.

  
\_\_\_\_\_  
J. Dykstra  
Cascade Services

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

JUN 11 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: June 11, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

The oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. June 9 to 4:00 P.M. June 10 were as follows:

<u>Shift</u>	<u>Pounds</u>
4-12	6
12-8	0
8-4	<u>8</u>
	14

A. L. Allen  
A. L. Allen

ALA:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

JUN 27 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: June 27, 1958

Copies To: Mr. D. L. Stoddard  
File - NORC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., June 25 to 4:00 p.m., June 26, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	-	-	-	-
K-1420 "F" Area	-	-	-	-

  
J. Dykstra  
Chemical Division

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

JUL 18 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

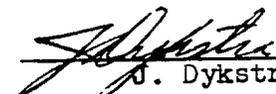
Date: July 17, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., July 11 to 4:00 p.m., July 12, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	11.2	-	-	4
K-1420 "F" Area	-	-	-	-

  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 28, 1958

Copies To Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., July 27, to 4:00 p.m., July 28, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	-	-

  
J. Dykstra  
Chemical Operations

JR:rh

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

JUL 23 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: July 21, 1958

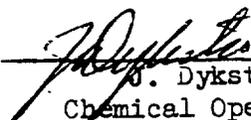
Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., July 19 to 4:00 p.m., July 20, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	11.2	-	-	4
K-1420 "F" Area	-	-	-	-

JD:jrh

  
J. Dykstra  
Chemical Operations

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

AUG 1 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: July 31, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 12 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift July 28, 1958.

T. P. Fleming  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 8 1958

## INTER-COMPANY CORRESPONDENCE

## UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 6, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., August 4, to 4:00 p.m., August 5, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	32.8	-	-	27
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	-	-



J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

AUG 14 1958

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: August 14, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 6 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift August 13, 1958.

T. P. Fleming  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 7 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: August 7, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 18 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift August 5, 1958.

*T. P. Fleming*  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

AUG 22 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: August 22, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 16 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift August 21, 1958.

T. P. Fleming  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

AUG 27 1958

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: August 27, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., August 20th to 4:00 p.m., August 21st. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: September 2, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 12 pounds of the oxide of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift August 29, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming

TPF:vat

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

SEP 3 1958

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

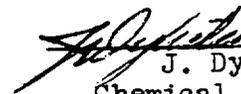
Date: September 3, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., August 28, to 4:00 p.m., August 29, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
\_\_\_\_\_  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

SEP 10 1958

INTER-COMPANY CORRESPONDENCE  
**UNION CARBIDE NUCLEAR COMPANY**  
 Division of Union Carbide Corporation

To: Dr. T. L. Ray  
 K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 9, 1958

Copies To: Mr. D. L. Stoddard  
 File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., September 5, to 4:00 p.m., September 6, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
 J. Dykstra  
 Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
 Diffusion Plant, Operating Contractor for the U.S.  
 Atomic Energy Commission.

SEP 9 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: September 9, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. September 5 to 4:00 P.M. September 6.

*T. P. Fleming*  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

SEP 16 1958

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: September 15, 1958

Copies To: **File - NoRC**

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were no oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area from 4:00 P.M. September 13 to 4:00 P.M. September 14.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming

TFP:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: September 25, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., September 20, to 4:00 p.m., September 21, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
\_\_\_\_\_  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous  
Diffusion Plant, Operating Contractor for the U.S.  
Atomic Energy Commission.

*INTER-COMPANY CORRESPONDENCE*  
**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: September 23, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 16 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift September 22, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 2 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 1, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., September 29, to 4:00 p.m., September 30, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

  
J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

OCT 2 1958

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray

Plant: ORGDP

Date: October 1, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 12 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift September 30, 1958.

*T. P. Fleming*  
\_\_\_\_\_  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

OCT 13 1958

To: Dr. T. L. Ray

Plant: Oak Ridge Gaseous Diffusion

Date: October 10, 1958

Copies To: File - NoRC

Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 10 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift October 8, 1958.

  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

OCT 20 1958

INTER-COMPANY CORRESPONDENCE  
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

To: Dr. T. L. Ray  
Plant: Oak Ridge Gaseous Diffusion  
Date: October 20, 1958  
Copies To: File - NORC  
Subject: Air Pollution Study  
K-1420 Large Equipment  
Decontamination Area

There were 24 pounds of the oxides of nitrogen vented to the atmosphere from the K-1420 Large Equipment Decontamination Area on the 8-4 shift October 16, 1958.

T. P. Fleming  
T. P. Fleming

TPF:vat

Union Carbide Nuclear Company, Oak Ridge  
Gaseous Diffusion Plant, Operating Contractor  
for the U.S. Atomic Energy Commission.

INTER-COMPANY CORRESPONDENCE

OCT 22 1958

UNION CARBIDE NUCLEAR COMPANY

Division of Union Carbide Corporation

To: Dr. T. L. Ray  
K-1003

Plant: Oak Ridge Gaseous Diffusion

Date: October 21, 1958

Copies To: Mr. D. L. Stoddard  
File - NoRC

Subject: Air Pollution Study

The following schedule shows the estimated volume of gases vented through the K-1302 stack by the K-1301 fluorine plant and the K-1420 "E" Area, the K-1131 stack, and the K-1420 stack, by "F" Area. This report covers the period from 4:00 p.m., October 15, to 4:00 p.m., October 16, 1958. The stack emissions are reported in pounds.

<u>Operation Venting</u>	<u>F<sub>2</sub></u>	<u>UF<sub>6</sub></u>	<u>NO<sub>2</sub></u>	<u>HF</u>
K-1301 F <sub>2</sub> plant	-	-	-	-
K-1420 "E" Area	5.6	-	-	2
K-1420 "F" Area	-	-	200	-

---

J. Dykstra  
Chemical Operations

JD/hs

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.